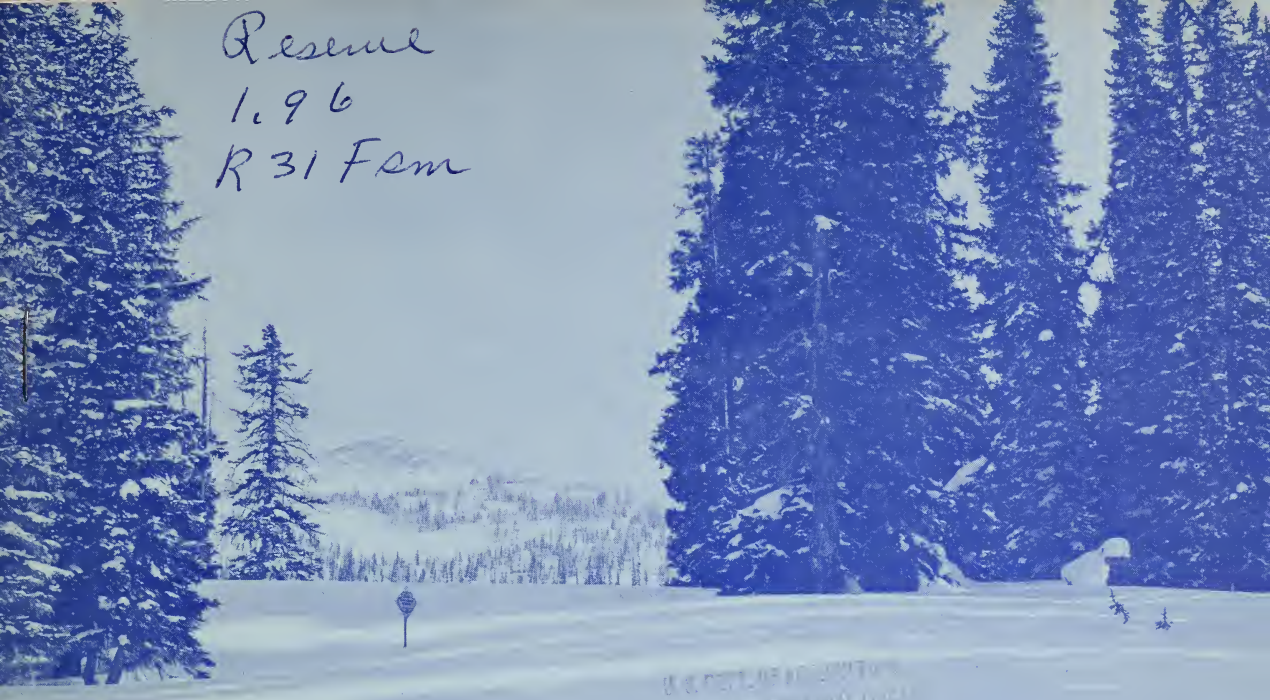

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE
and
COLORADO AGRICULTURAL EXPERIMENT STATION
STATE ENGINEER of COLORADO
and STATE ENGINEER of NEW MEXICO

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, Corps of Engineers and other Federal, State, and private organizations.

AS OF
APR. 1, 1968

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 Federal Office Building, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR COLORADO AND NEW MEXICO

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

D.A. WILLIAMS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

FRED A. MARK
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
DENVER, COLORADO

EINAR L. ROGET
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
ALBUQUERQUE, NEW MEXICO

In Cooperation with

RUE JENSEN
DIRECTOR
COLORADO AGRICULTURAL
EXPERIMENT STATION

STEVEN E. REYNOLDS
STATE ENGINEER
STATE OF NEW MEXICO

RALPH OWENS
STATE ENGINEER
STATE OF COLORADO

Report prepared by

JACK N. WASHICHEK, Snow Survey Supervisor
and
DONALD W. McANDREW, Assistant Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SPRUCE HALL
COLORADO STATE UNIVERSITY
FT. COLLINS, COLORADO 80521

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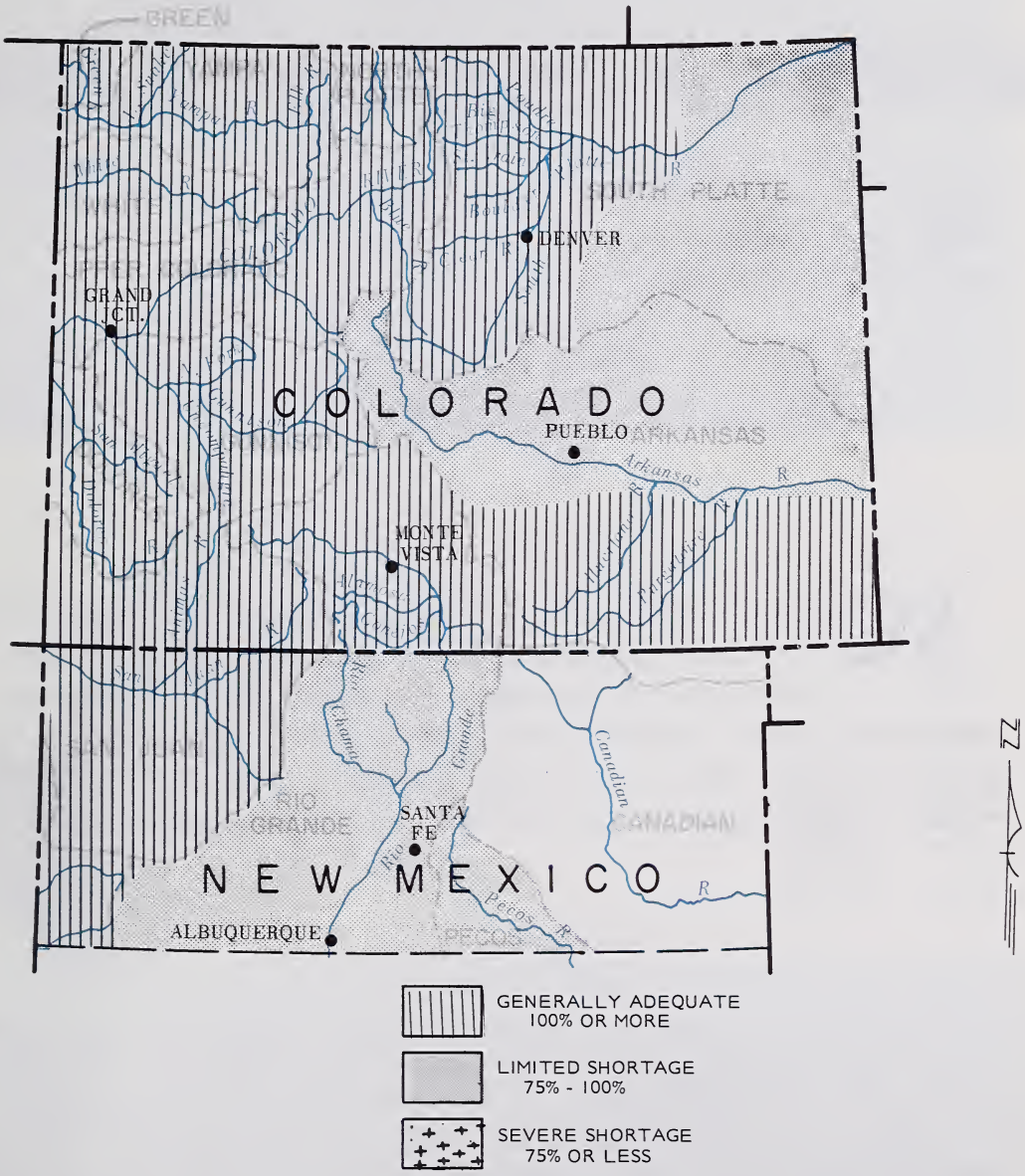
WATER SUPPLY OUTLOOK BY MAJOR WATERSHED AREAS

WATER SUPPLY OUTLOOK

as of

April 1, 1968



The map on this page indicates the most probable water supply as of the date of this report. Estimates assume average conditions of snow fall, precipitation and other factors from this date to the end of the forecast period. As the season progresses accuracy of estimates improve. In addition to expected streamflow, reservoir storage, soil moisture in irrigated areas, and other factors are considered in estimating water supply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on small tributaries.

- GENERAL SERIES PAPER NO. 866
COLORADO AGRICULTURAL EXPERIMENT STATION

WATER SUPPLY CONDITIONS

as of

April 1, 1968

STREAMFLOW FORECASTS IN COLORADO DROPPED ABOUT 10 PERCENT DUE TO LACK OF SNOW. NEW MEXICO MOUNTAINS RECEIVED NORMAL OR ABOVE SNOWFALL AND FORECASTS REMAINED ABOUT THE SAME AS MARCH. THE TWO STATE AREA HAS FAIR TO GOOD SOIL MOISTURE IN THE IRRIGATED AREAS. EXCEPT IN THE SOUTH PLATTE BASIN OF COLORADO, RESERVOIR STORAGE IS BELOW NORMAL. NO SEVERE WATER SHORTAGE IS EXPECTED IN EITHER STATE, HOWEVER, SOME LATE SEASON SHORTAGES WILL EXIST ON THE ARKANSAS AND SOME SMALL LOCAL AREAS.

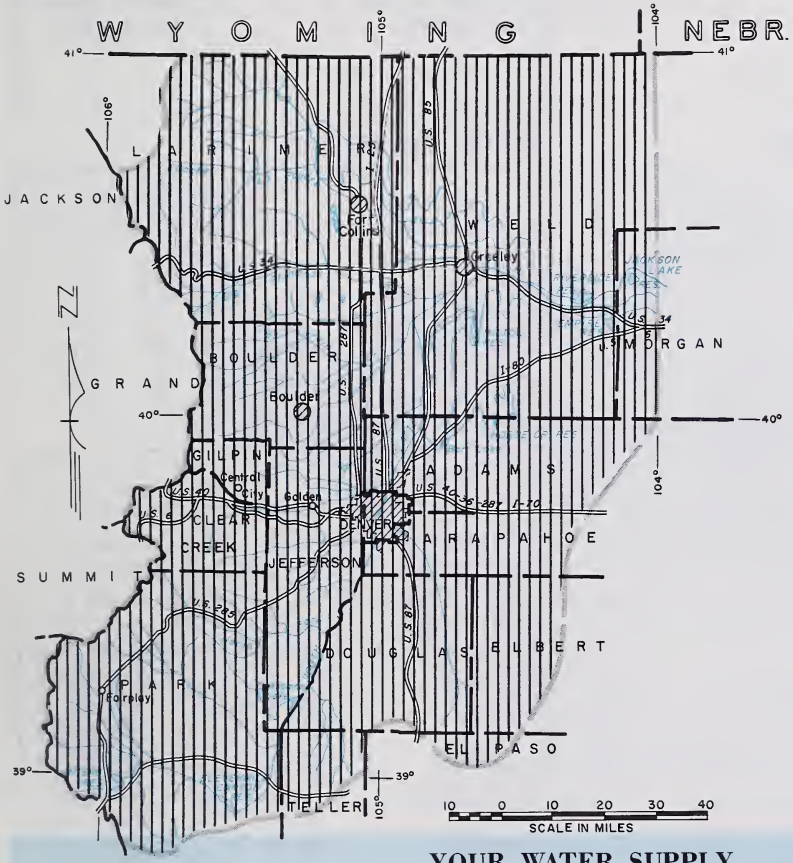
COLORADO -- DUE TO LACK OF SNOWFALL DURING MARCH, STREAMFLOW FORECASTS WERE LOWERED ABOUT 10 PERCENT OVER MOST OF THE STATE. THE ONLY AREA WITH MUCH ABOVE NORMAL SNOW PACK IS THE SOUTHWEST CORNER OF THE STATE. NO SERIOUS WATER SHORTAGES ARE EXPECTED EARLY IN THE IRRIGATION SEASON, HOWEVER, LATE SEASON SHORTAGES WILL EXIST ON THE ARKANSAS DRAINAGE. SOIL MOISTURE IN FLAT LAND AREA IS REPORTED AS FAIR TO GOOD.

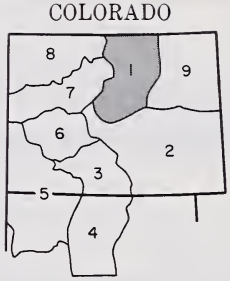
NEW MEXICO -- SNOWFALL WAS ABOVE NORMAL DURING MARCH OVER MOST OF THE MOUNTAINS. THIS INCREASE LEAVES MOST OF THE SMALL STREAM DRAINAGES IN GOOD SHAPE. STREAMFLOW SHOULD BE NEAR NORMAL OVER MOST OF THE STATE. RESERVOIR STORAGE IS LOW, BUT VALLEY SOILS ARE REPORTED TO CONTAIN GOOD MOISTURE. AREAS THAT RELY ON SOME RESERVOIR STORAGE FOR SUPPLYS MAY HAVE SOME LATE SEASON SHORTAGE. DIRECT FLOW FROM SMALL STREAMS SHOULD BE ABOVE NORMAL.

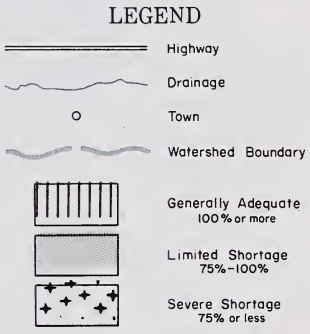
USDA-SCS-PORTLAND, OREG. 1967 MPL-1845

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SOUTH PLATTE RIVER WATERSHED IN COLORADO
as of
April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO







YOUR WATER SUPPLY

SNOWFALL FELL OFF SLIGHTLY DURING THE MONTH ON THE SOUTH PLATTE AND ITS TRIBUTARIES. FORECASTS ARE NOW RUNNING SLIGHTLY BELOW NORMAL IN ALL CASES. SOIL MOISTURE ON THE UPPER SOUTH PLATTE (ABOVE FORT MORGAN) IS REPORTED TO BE GOOD. IF THESE CONDITIONS CONTINUE TO EXIST AT PLANTING TIME, NO SEVERE WATER SHORTAGES ARE EXPECTED. RESERVOIR STORAGE IS GOOD AND WILL BE AN EXCELLENT SUPPLY. MOUNTAIN SOILS ARE WET AND WILL TEND TO INCREASE RUNOFF. FORECASTS ARE BASED ON NORMAL PRECIPITATION FOR THE REMAINDER OF THE YEAR.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST
E. A. NICHOLSON---AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO
DENVER, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr–Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Big Thompson at Drake (2)	88	80	110
Boulder at Orodell	50	93	54
Cache La Poudre at Canon Mouth (1)	175	96	183
Clear Creek at Golden (3)	127	95	134
Saint Vrain at Lyons	75	94	80

(1) Observed flow minus trans-basin diversions.
(2) Observed flow plus by-pass to power plants.
(3) Observed flow minus diversions through Jones Pass.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Bear Creek	Good	Fair
Coal Creek	Good	Good
Deer Creek	Good	Fair
North Fork of So. Platte	Fair	Fair
North Fork of Cache La Poudre	Fair	Fair
Ralston Creek	Good	Good
Rock Creek	Good	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Boulder	2	170	102
Big Thompson	5	99	79
Cache La Poudre	7	114	97
Clear Creek	4	114	95
Saint Vrain	3	134	72
South Platte	3	102	77

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Boulder	1	141	129
Big Thompson	3	112	117
Cache La Poudre	2	112	105
Clear Creek	2	104	113
Saint Vrain	2	107	128
South Platte	2	97	111

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Antero	33.0	15.9	15.0	13.4
Barr Lake	32.2	28.5	14.9	22.3
Black Hollow	8.0	3.5	3.3	3.2
Boyd Lake	44.0	41.9	28.5	18.1
Cache La Poudre	9.5	8.9	8.3	7.0
Carter Lake	108.9	99.1	89.5	74.2
Chambers Lake	8.8	3.3	2.9	2.5
Cheeseman	79.0	41.3	30.1	52.1
Cobb Lake	34.3	19.3	0.0	9.5
Eleven Mile	97.8	93.3	91.0	74.2
Fossil Creek	11.6	8.1	7.5	6.6
Gross	43.1	30.2	24.5	- -

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Halligan	6.4	5.5	4.4	3.4
Horsetooth	143.5	112.3	103.3	77.7
Lake Loveland	14.3	12.8	4.0	6.3
Lone Tree	9.2	8.6	4.1	6.5
Mariano	5.4	5.6	5.2	3.2
Marshall	10.3	5.0	1.6	3.1
Marston	18.0	14.8	13.7	14.6
Milton	24.4	17.4	6.2	11.7
Standley	42.0	31.6	9.4	11.4
Terry Lake	8.2	6.2	4.4	4.8
Union	12.7	12.0	6.4	7.8
Windsor	18.6	14.7	5.5	10.3

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SNOW SURVEY
COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO 80202

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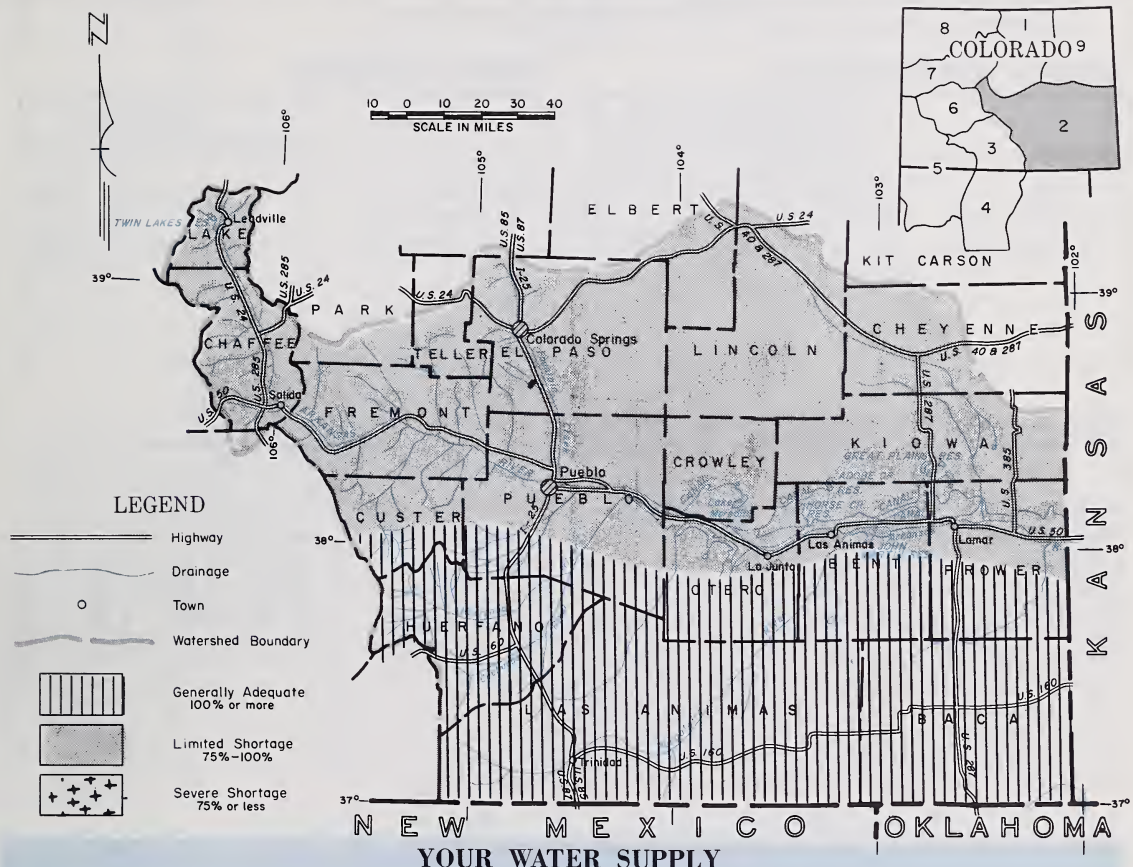
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
ARKANSAS RIVER WATERSHED IN COLORADO
as of
April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

FORECASTS ON THE ARKANSAS REMAINED ABOUT THE SAME AS LAST MONTH. THE SNOW PACK DROPPED OFF SLIGHTLY DURING THE MONTH. SEVEN SNOW COURSES ON THE BASIN AVERAGED ABOUT 95 PERCENT OF NORMAL. SOIL MOISTURE IN THE UPPER BASIN IS REPORTED AS GOOD WHILE THE LOWER BASIN REPORTS FAIR TO GOOD CONDITIONS. RESERVOIR STORAGE IS LESS THAN A YEAR AGO AND ABOUT 75 PERCENT OF NORMAL. THERE WILL BE NO SERIOUS EARLY SHORTAGES, HOWEVER, SHORTAGES WILL OCCUR LATER IN THE SEASON.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST W.O. McCORKLE---AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO LA JUNTA, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr–Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Arkansas at Pueblo (4)	250	77	323
Arkansas at Salida (4)	265	77	345
Cucharas nr LaVeta	14	100	14
Purgatoire at Trinidad	45	100	45

(4) Observed flow plus change in Clear Creek, Twin Lakes, and Sugar Loaf Reservoirs minus diversions through Busk - Ivanhoe and Twin Lake Tunnels and Ewing, Front Pass, Wurtz and Columbine ditches.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Apishapa	Good	Fair
Fountain Creek	Good	Fair
Grape Creek	Good	Good
Hardscrable Creek	Good	Good
Huerfano	Good	Good
Monument Creek	Good	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Arkansas	7	128	95
Cucharas and Purgatorie	2	417	132

AVAILABLE SOIL MOISTURE

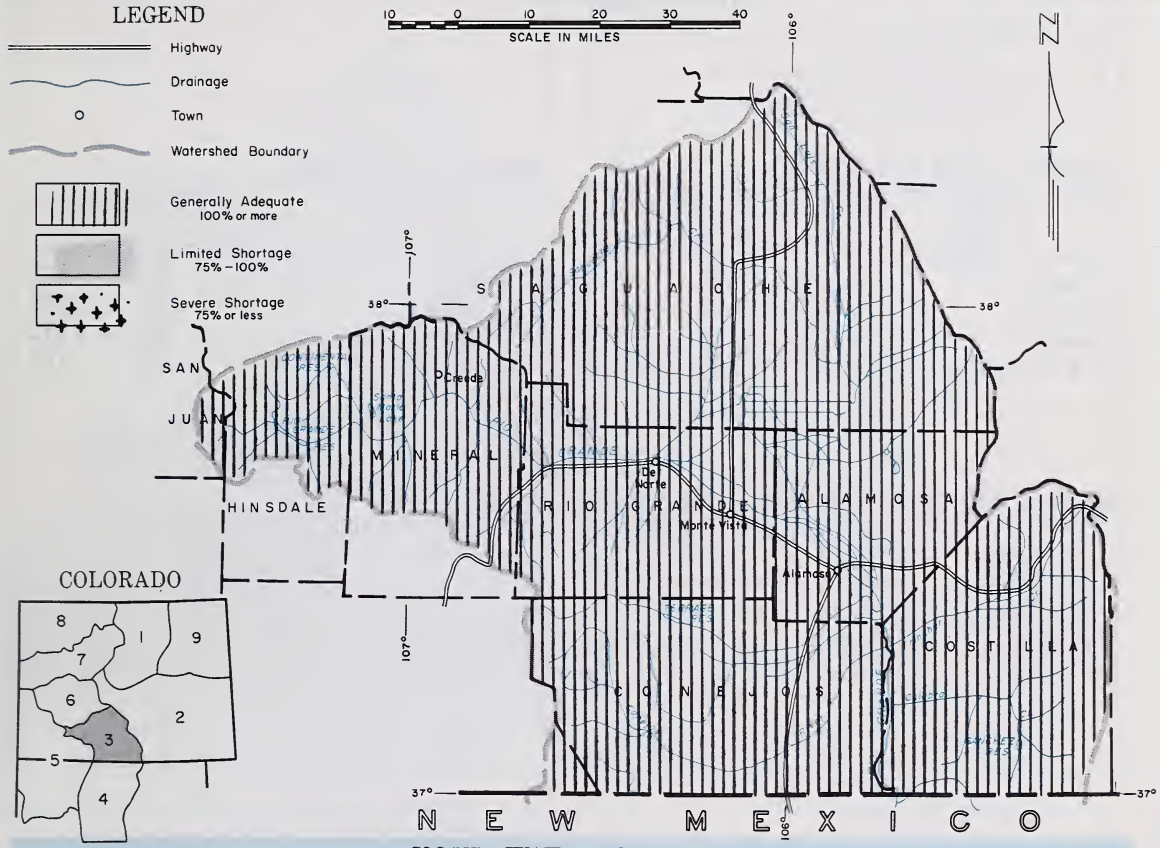
RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Arkansas	3	130	158
Cucharas and Purgatoire	1	82	118

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Adobe Creek	61.6	6.5	27.7	13.7
Clear Creek	11.4	8.4	7.1	6.2
Cucharas	40.0	0.0	0.0	5.5
Great Plains	150.0	53.7	74.7	46.5
Horse Creek	26.9	0.4	8.2	5.9
John Martin	366.6	42.6	198.7	85.0
Meredith	41.9	2.1	6.2	11.6
Model	15.0	3.6	1.5	2.5
Sugar Loaf	17.4	20.4	8.8	7.5
Twin Lakes	57.9	29.6	17.9	19.5

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
UPPER RIO GRANDE WATERSHED IN COLORADO
as of
April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

THE SNOW PACK ON THE RIO GRANDE AND ITS TRIBUTARIES IS NEAR NORMAL. THIS YEAR'S SNOW CROP IS EXTREMELY GOOD IN THE LOW AND MEDIUM ELEVATIONS AND SLIGHTLY BELOW AVERAGE IN THE SUB ALPINE AREAS. SURFACE WATER USERS IN THE RIO GRANDE VALLEY IN COLORADO SHOULD HAVE A NEAR AVERAGE WATER SUPPLY THIS SUMMER. CARRY-OVER STORAGE IN THE BASINS MAJOR RESERVOIRS IS SOMEWHAT BELOW AVERAGE, BUT NOT SEVERELY SO. MOUNTAIN SOIL MOISTURE IS WETTER THAN AVERAGE AND THE VALLEY AREA IS ALSO IN GOOD CONDITION.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST DONALD B. TOOTELL---AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO DURANGO, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr—Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Alamosa abv Terrace	70	102	68
Conejos nr Mogote	185	94	196
Culebra at San Luis (6)	21	100	21
Rio Grande at 30 Mile Bridge (5)	140	106	132
Rio Grande at Del Norte (5)	510	104	492
South Fork at South Fork	125	102	122

(5) Observed flow plus change in storage in Santa Maria, Rio Grande and Continental Reservoir.
(6) Observed flow plus changes in storage in Sanchez Reservoir.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Saguache	Good	Good
Sangre de Cristo Creek	Good	Good
Trinchera Creek	Good	Good

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Alamosa	2	133	91
Conejos	3	104	93
Culebra	2	332	105
Rio Grande	10	152	103

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Alamosa	2	87	110
Conejos	1	76	95
Culebra	1	82	118
Rio Grande	3	88	109

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Continental	26.7	4.6	5.2	6.1
Platoro	60.0	3.0	3.0	4.6
Rio Grande	45.8	8.7	10.2	14.3

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Sanchez	103.2	12.5	3.6	10.7
Santa Maria	45.0	2.9	9.9	7.1
Terrace	17.7	7.0	6.0	3.3

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COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO 80202

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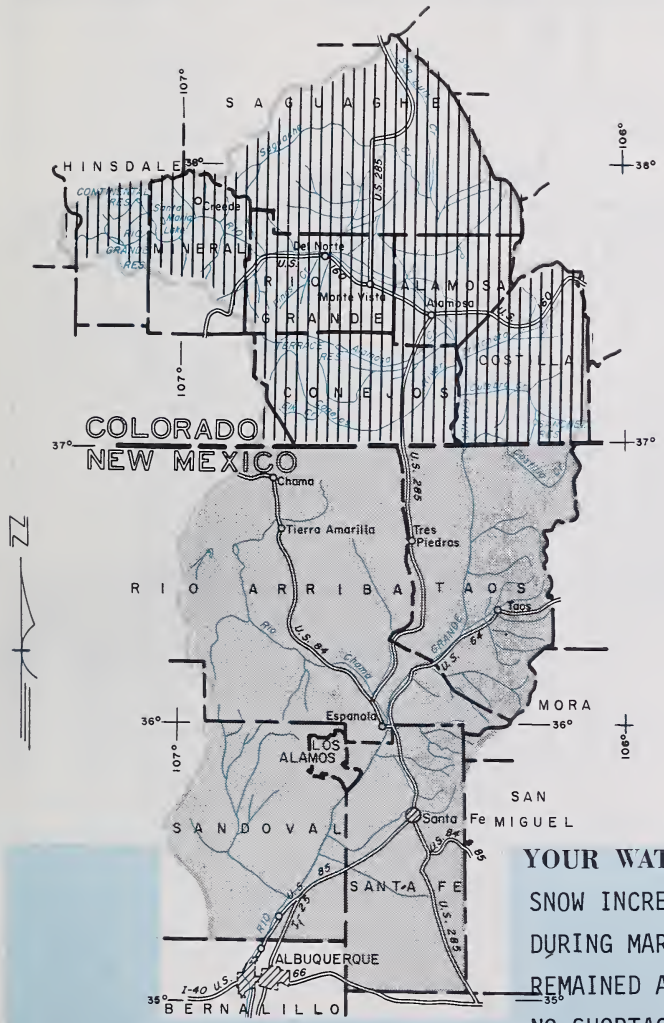
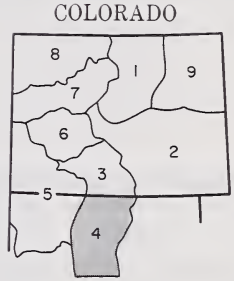
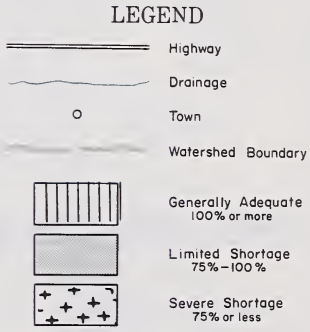
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
RIO GRANDE WATERSHED IN NEW MEXICO
as of
April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO







YOUR WATER SUPPLY

SNOW INCREASED SLIGHTLY MORE THAN NORMAL DURING MARCH. STREAMFLOW FORECASTS REMAINED ABOUT THE SAME. THERE SHOULD BE NO SHORTAGES ON ANY OF THE SMALL STREAMS OF THE RIO GRANDE. STORAGE IS LOW AND SOME FARM UNITS DEPENDING UPON CARRY-OVER STORAGE AS WELL AS STREAMFLOW WILL HAVE SOME LATE SEASON SHORTAGE. SOIL MOISTURE IN THE IRRIGATED AREA IS GOOD.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
EINAR L. RIDGET—STATE CONSERVATIONIST W.B. RUMSEY—AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
ALBUQUERQUE, NEW MEXICO SANTA FE, NEW MEXICO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS(1,000 Ac. Ft.)

STREAM and STATION	FORECAST AS INDICATED	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Costilla at Costilla(8)	25 AS	108	23
Pecos at Pecos	65 AS	122	53
Rio Chama nr La Puenta	185 AS	86	214
Rio Grande at Otowi (7)	600 MJ	99	609
Rio Gra. at San Mar.(7)	420 MJ	99	424
Rio Hondo nr Valdez	17 AS	95	18
Red River at Questa	22 AJ	96	23

The Forecast of the Rio Grande at San Marcial is ——% of the Average used by the Elephant Butte Irrigation District.
A - S is April through September.
A - J is April through July.
M - J is March through July.
(7) Observed flow plus changes in storage in El Vado and Abiquiu Res.
(8) Observed flow plus changes in storage in Costilla Reservoir.

WATER SUPPLY OUTLOOK expressed "Poor,Fair,Good"

STREAM	FLOW PERIOD March May	FLOW PERIOD June July
Embudo Creek	Good	Fair
Jemez River	Good	Fair
Mora River	Good	Fair
Nambe Creek	Good	Fair
Rio Ojo Caliente	Good	Fair
Rio Pueblo de Taos	Good	Fair
Sante Fe Creek	Good	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Pecos	1	300+	300+
Rio Chama	3	183	86
Rio Grande, N.M.	10	540	134
Rio Hondo	1	198	---
Red River	2	300+	152

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Pecos	2	395	86
Rio Chama	2	80	160
Rio Grande	5	86	116
Red River	1	100	71

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Alamorgordo	122	42	70.9	67
Caballo	344	55	82.7	105
Conchas	280	185	187.1	238
Elephant Butte	2207	300	275.1	360

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
ElVado	194.5	1.2	1.3	16.9
McMillen - Avalon	37.0	25.0	28.4	18.3
Red Bluff Texas	307.0	103.3	209.1	67.1

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SNOW SURVEY
COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO 80202

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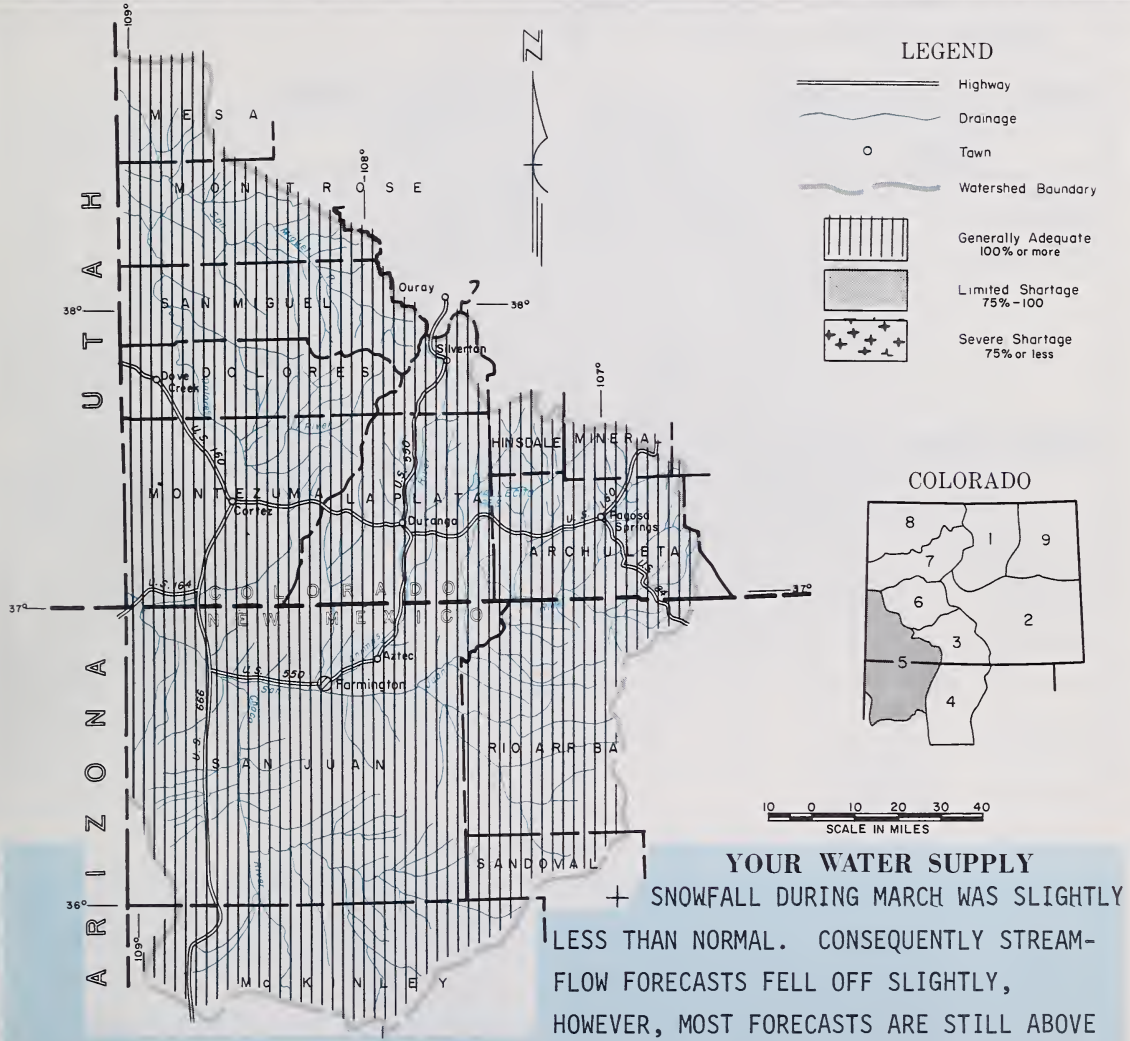
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
SAN MIGUEL, DOLORES, ANIMAS, SAN JUAN WATERSHEDS IN COLORADO AND NEW MEXICO

April 1, as of 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

+ SNOWFALL DURING MARCH WAS SLIGHTLY LESS THAN NORMAL. CONSEQUENTLY STREAMFLOW FORECASTS FELL OFF SLIGHTLY, HOWEVER, MOST FORECASTS ARE STILL ABOVE NORMAL. THIS AREA CONTAINS THE BEST SNOW COVER IN THE STATE. THERE SHOULD BE ADEQUATE WATER IN THIS BASIN IF SUBSEQUENT SNOWFALL IS NORMAL OR ABOVE. VALLEY SOILS ARE REPORTED TO BE IN GOOD CONDITION FOR SPRING PLANTING.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST, DENVER, COLORADO
EINAR L. ROGET---STATE CONSERVATIONIST, ALBUQUERQUE, NEW MEXICO
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DONALD B. TOOTELL---AREA CONSERVATIONIST, DURANGO, COLORADO
W.B. RUMSEY---AREA CONSERVATIONIST, SANTA FE, NEW MEXICO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr—Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Animas at Durango	460	101	456
Dolores at Dolores	310	119	260
La Plata at Hesperus	29	107	27
Los Pinos at Bayfield (9)	190	89	213
Piedra Creet at Piedra	185	102	182
San Juan at Carracs	450	115	393
Inflow to Navajo Res. (9) (April - July)	710	102	693

(9) Observed flow plus changes in storage in Vallicito Reservoir.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Florida	Good	Good
Mancos	Good	Good
San Miguel	Good	Good

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Animas	6	196	122
Dolores	4	198	113
San Juan	5	116	87

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Animas	3	76	100
Dolores	3	97	158
San Juan	2	78	102

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

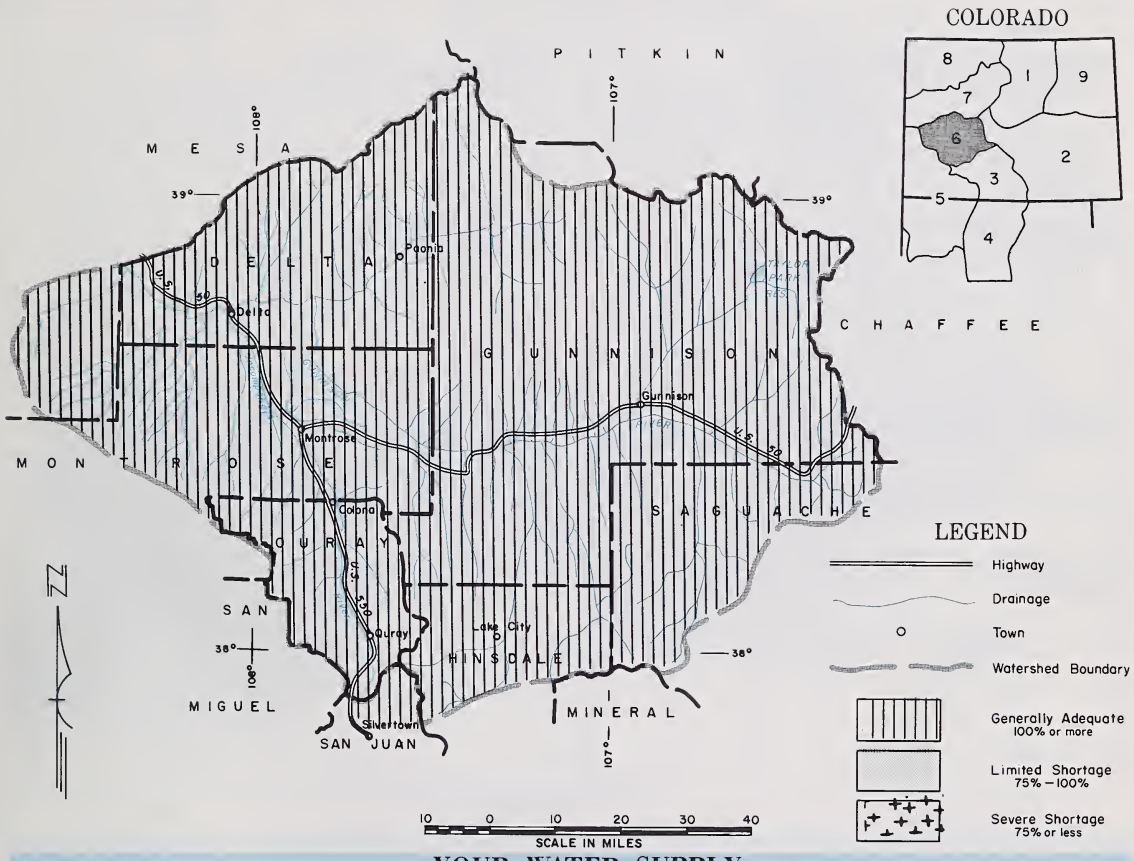
RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Groundhog	22	12.5	8.0	6.4
Navajo	1036	595.5	356.0	- -
Vallecito	126	38.9	56.4	45.8
Lemon	40	16.8	22.5	- -

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
GUNNISON RIVER WATERSHED IN COLORADO
as of

April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES IN THE GUNNISON RIVER DRAINAGE WILL BE NEAR AVERAGE THIS YEAR. UNCOMPAHGRE AND SURFACE CREEK DRAINAGES WILL SIMILARLY HAVE A NEAR NORMAL WATER YEAR. THIS YEAR'S SNOW PACK VARIES FROM 92 PERCENT OF AVERAGE ON THE GUNNISON TO 110 PERCENT ON THE UNCOMPAHGRE. MOUNTAIN SOIL MOISTURE IS ALSO AT A NEAR NORMAL MARK. FARM LAND IN THE VALLEYS IS REPORTED TO BE WETTER THAN NORMAL IN THE GUNNISON AREA AND ABOUT AVERAGE IN THE MONTROSE - DELTA AREA.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST
OEARL BEACH---AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO
GRAND JUNCTION, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr–Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Gunnison nr Grand Junction	1225	94	1305
Surface Creek nr Cedaridge	16	94	17
Uncompahgre at Colona	155	111	139

(9) Observed flow plus changes in storage in Vallicito Reservoir.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
North Fork of Gunnison	Good	Good
Taylor	Fair	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Gunnison	10	121	92
Surface Creek	3	99	92
Uncompahgre	3	195	110

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Gunnison	1	112	165
Surface Creek	1	109	---
Uncompahgre	1	71	83

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Blue Mesa	941.0	347.0	390.0	- -
Taylor	106.2	51.6	45.5	58.3

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62

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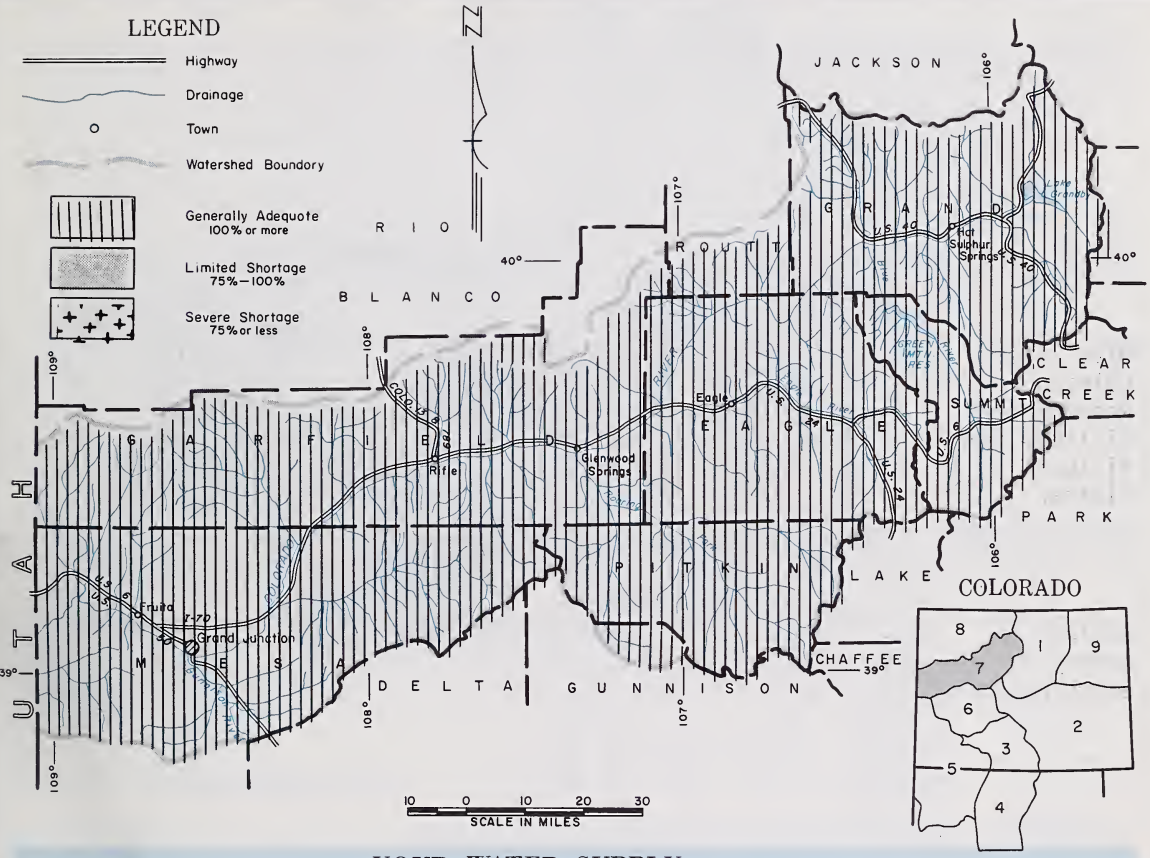
WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
COLORADO RIVER WATERSHED IN COLORADO
as of

April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

FORECASTS WERE LOWERED ABOUT 10 PERCENT OVER THE BASIN. THIS WAS CAUSED BY A SLIGHTLY LESS THAN NORMAL SNOWFALL DURING MARCH. GENERALLY THE SNOW PACK IS NOW SLIGHTLY LESS THAN NORMAL. SOIL MOISTURE IN THE IRRIGATED AREAS IS GOOD OVER THE BASIN. MOUNTAIN SOILS ON BLUE AND ROARING FORK DRAINAGES HAVE GOOD MOISTURE, BUT ON THE COLORADO MAINSTEM AND WILLOW BELOW AVERAGE. FORECASTS ARE BASED ON NORMAL PRECIPITATION FOR THE REMAINDER OF THE WATER YEAR. IF THIS IS THE CASE THERE SHOULD BE NO SEVERE WATER SHORTAGE.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK, STATE CONSERVATIONIST
R.L. PORTER, AREA CONSERVATIONIST
D.B. BEACH, AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO — GLENWOOD SPRINGS, COLORADO — GRAND JUNCTION, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr—Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Blue River ab Green Mt(10)	230	84	274
Colo. River nr Granby (11)	235	100	233
Colo. River ab Glenwood Springs (12)	1450	90	1630
Roaring Fork at Glenwood Springs (14)	700	92	762
Williams Fk nr Parshall (15)	78	101	77
Willow Cr ab Willow Cr.R.	40	83	48
Colo. nr Cameo (12)	2225	101	2213

(10) Observed flow plus change in storage in Dillon Reservoir.
(11) Observed flow diversions by Adams Tunnel and Grand River Ditch plus change in storage in Granby Reservoir.
(12) Observed flow plus the changes as indicated in (11) plus Moffat Ditch.
(14) Observed flow plus diversion through Twin Lakes Tunnel.
(15) Observed flow plus diversions through Jones Pass Tunnel.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Brush Creek	Fair	Fair
Eagle River	Good	Fair
Gypsum Creek	Good	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	Average
Blue River	8	118	89
Colorado	20	107	93
Roaring Fork	6	102	90
Williams Fork	3	117	100
Willow	2	82	84
Plateau	3	103	90

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	Average
Blue River	1	104	104
Colorado	5	112	95
Roaring Fork	1	87	119
Willow	1	75	70

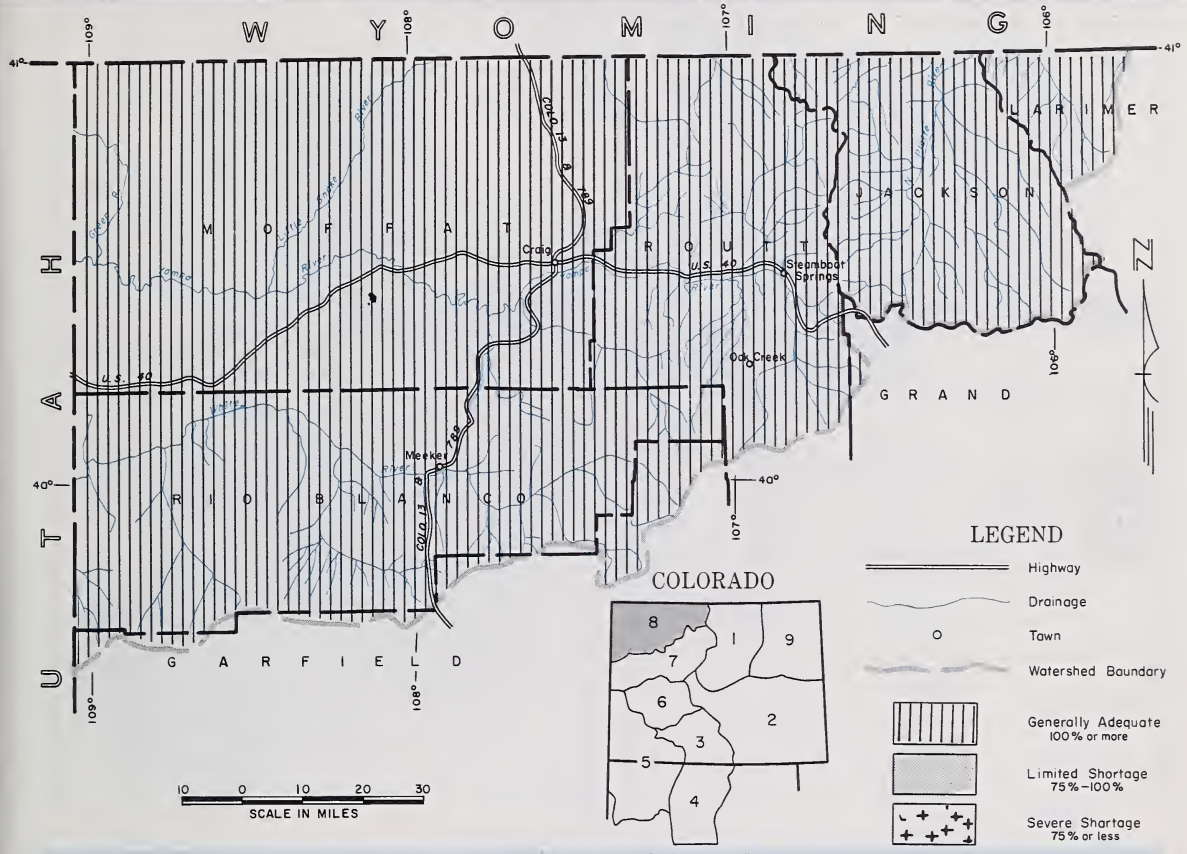
RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Dillon	254.0	223.8	210.7	- -
Granby	465.5	98.1	59.4	87.5
Green Mountain	146.9	64.7	47.0	58.9
Williams Fork	96.8	20.7	3.1	- -
Vega	32.9	3.0	7.5	- -

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
YAMPA, WHITE, AND NORTH PLATTE RIVER WATERSHEDS
IN COLORADO

as of
April 1, 1968

U. S. DEPARTMENT OF AGRICULTURE · SOIL CONSERVATION SERVICE
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

WATER SUPPLIES SHOULD BE SUFFICIENT FOR MOST NEEDS THIS SUMMER. STREAMFLOW FORECASTS RANGE FROM 90 PERCENT OF AVERAGE ON THE LITTLE SNAKE TO 107 PERCENT ON THE ELK RIVER. THIS SEASON'S SNOW CROP IS NEAR NORMAL FOR THE YAMPA, WHITE AND NORTH PLATTE BASINS. THE SNOW PACK RANGES FROM 90 PERCENT ON THE LARAMIE RIVER DRAINAGE TO 103 PERCENT ON THE ELK RIVER. MOUNTAIN SOIL MOISTURE IS ONLY SLIGHTLY BELOW AVERAGE. THIS CONDITION SHOULD NOT IMPAIR STREAMFLOW IN THIS AREA.

This report prepared by
JACK N. WASHICHEK and DON W. McANOREN
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO
R.L. PORTER---AREA CONSERVATIONIST
GLENWOOD SPRINGS, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr—Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Elk at Clark	220	107	205
Laramie at Jelm	118	105	112
Little Snake at Lilly	290	90	321
North Platte at at Northgate	252	97	260
White at Meeker	332	100	332
Yampa at Maybell	900	98	923
Yampa at Steamboat Spgs.	275	94	292

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
Canadian River	Good	Good
Hunt Creek	Good	Good
Illinois River	Good	Good
Michigan River	Good	Good
Oak Creek	Good	Good
Trout Creek	Good	Good

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Elk	1	115	103
Laramie	3	118	90
North Platte	5	96	93
White	2	145	96
Yampa	6	115	92

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Laramie	2	112	105
North Platte	2	88	83
Yampa	2	108	70

WATER SUPPLY OUTLOOK
FOR THE SOIL CONSERVATION DISTRICTS IN THE
LOWER SOUTH PLATTE RIVER WATERSHED IN COLORADO

as of
April 1, 1968

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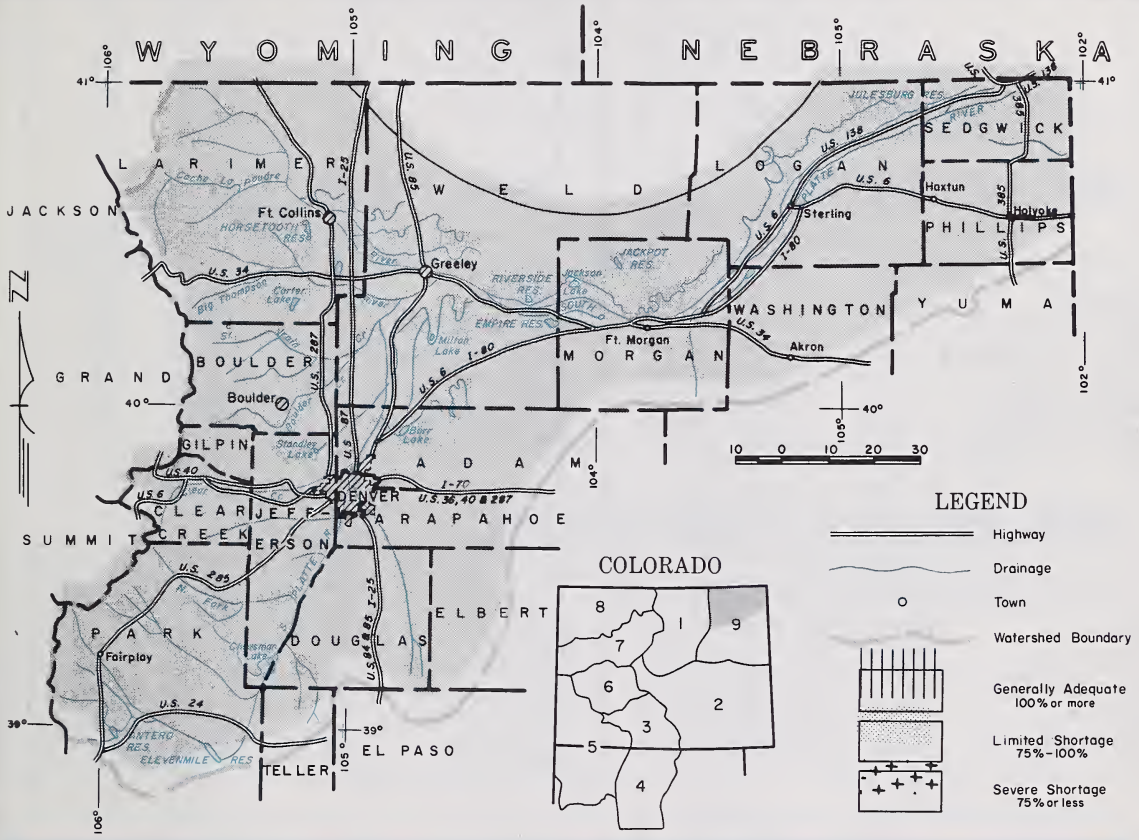
COLORADO EXPERIMENT STATION, STATE ENGINEERS OF COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SNOW FALL FELL OFF SLIGHTLY DURING THE MONTH ON THE SOUTH PLATTE AND ITS TRIBUTARIES. FORECASTS ARE NOW RUNNING SLIGHTLY BELOW NORMAL IN ALL CASES. SOIL MOISTURE IN THE LOWER BASIN BELOW FORT MORGAN IS REPORTED IN FAIR CONDITION. RESERVOIR STORAGE IS ABOUT 115 PERCENT OF NORMAL. THIS WILL BE AN EXCELLENT SUPPLEMENTAL SUPPLY. LATE SEASON SUPPLIES WILL BE SHORT. MOUNTAIN SOILS ARE WET AND WILL TEND TO INCREASE RUNOFF. FORECASTS ARE BASED ON NORMAL PRECIPITATION FOR THE REMAINDER OF THE WATER YEAR.

This report prepared by
JACK N. WASHICHEK and DON W. McANDREW
SOIL CONSERVATION SERVICE, COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO

Issued by
F. A. MARK---STATE CONSERVATIONIST
J.L. HALL---AREA CONSERVATIONIST
U. S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
DENVER, COLORADO
STERLING, COLORADO

The Conservation of Water begins with the Snow Survey

STREAMFLOW FORECASTS (1,000 Ac. Ft.) Apr–Sept

STREAM and STATION	FORE CAST	THIS YEAR % AVE.	15 YR. AVE. 1948-62
Big Thompson at Drake (2)	88	80	110
Boulder at Orodell	50	93	54
Cache La Poudre at Canon Mouth (1)	175	96	183
Clear Creek at Golden (3)	127	95	134
Saint Vrain at Lyons	75	94	80

(1) Observed flow minus trans-basin diversions.
(2) Observed flow plus by-pass to power plants.
(3) Observed flow minus diversions through Jones Pass.

WATER SUPPLY OUTLOOK expressed "Poor, Fair, Good"

STREAM	FLOW PERIOD April May	FLOW PERIOD June Thru Sept.
South Platte from Greeley to Fort Morgan	Good	Fair
South Platte from Fort Morgan to Sterling	Fair	Fair
South Platte below Sterling	Fair	Fair

SUMMARY of SNOW MEASUREMENTS

RIVER	NUMBER of COURSES AVERAGED	THIS YEARS SNOW AS PERCENT OF Last Year	THIS YEARS SNOW AS PERCENT OF Average
Boulder	2	170	102
Big Thompson	5	99	79
Cache La Poudre	7	114	97
Clear Creek	4	114	95
Saint Vrain	3	134	72
South Platte	3	102	77

AVAILABLE SOIL MOISTURE

RIVER BASIN	NUMBER of STATIONS	THIS YEARS MOISTURE AS PERCENT OF Last Year	THIS YEARS MOISTURE AS PERCENT OF Average
Boulder	1	141	129
Big Thompson	3	112	117
Cache La Poudre	2	112	105
Clear Creek	2	104	113
Saint Vrain	2	107	128
South Platte	2	97	111

RESERVOIR STORAGE (1,000 Ac. Ft.) Measured First of Month

RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	15 YEAR AVE. 1948-62
Carter	108.9	99.1	89.5	74.2
Cheeseman	79.0	41.3	30.1	52.1
Eleven Mile	81.9	93.3	91.0	74.2
Empire	37.7	32.5	31.9	28.2
Horsetooth	143.5	112.3	103.5	77.7
Jackson	35.4	34.3	34.4	33.5
Julesburg	28.2	23.1	23.0	21.1
Prewitt	32.8	30.0	7.4	20.8
Point of Rocks	70.0	67.0	64.8	59.0
Riverside	57.5	58.8	57.5	49.0

APPENDIX I

SNOW COURSE MEASUREMENTS as of April 1, 1968

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES) LAST YEAR	AVG 48-62
NORTH PLATTE BASIN					
Laramie River					
Deadman	3/31	46	14.2	16.2	17.5
McIntyre *	3/26	36	10.4	8.1	11.8
Roach	3/26	59	18.5	16.4	20.2
North Platte River					
Cameron Pass	3/27	72	28.5	27.6	27.4
Columbine Lodge	3/27	62	21.7	22.5	25.5
Northgate *	3/27	28	8.0	6.7	6.7
Park View	3/28	31	8.2	9.9	10.1
Willow Cr. Pass(B)	3/28	39	12.1	15.3	14.3
SOUTH PLATTE BASIN					
Boulder Creek					
Boulder Falls *	3/29	39	17.5	10.0	15.1
University Camp	3/29	54	22.6	13.6	24.4
Big Thompson River					
Deer Ridge *	3/29	19	4.4	4.1	5.9
Hidden Valley	3/29	33	7.6	8.8	12.7
Lake Irene (B)	3/27	62	20.3	18.9	23.7
Long's Peak *	3/30	35	10.5	11.1	12.5
Two Mile *	3/29	46	13.3	13.6	16.4
Cache La Poudre					
Bennett Creek	3/27	26	7.3	4.1	- -
Big South	3/31	4	0.9	0.5	2.9
Cameron Pass	3/27	72	28.5	27.6	27.4
Chambers Lake	3/31	27	8.1	9.6	9.7
Deadman Hill	3/31	46	14.2	16.2	17.5
Hour Glass Lake	3/27	26	6.8	4.4	8.6
Joe Wright	3/26	69	23.9	23.2	- -
Lost Lake *	3/31	31	9.3	12.1	13.0
Pine Creek	3/27	7	1.8	0.2	- -
Red Feather *	3/27	24	7.2	4.6	8.8
Clear Creek					
Baltimore	3/29	28	9.8	3.4	- -
Berthoud Falls *	3/29	45	13.4	9.3	14.5
Empire *	3/29	28	8.1	7.7	8.1
Grizzly Peak (B)	3/28	56	17.7	16.9	19.2
Loveland Lift	3/29	72	24.0	23.5	- -
Loveland Pass	3/29	50	16.1	14.6	16.7
Saint Vrain River					
Copeland Lake *	3/29	15	4.5	2.0	5.3
Ward *	3/28	24	6.5	4.5	7.2
Wild Basin	3/31	33	8.6	8.1	14.7
South Platte River					
Como	3/26	31	8.3	5.4	- -
Geneva Park *	3/30	16	3.5	3.0	4.1
Horseshoe Mt.	3/25	36	8.6	7.6	- -
Hoosier Pass	3/27	43	12.3	10.8	14.2
Jefferson Creek	3/26	33	8.0	7.8	10.4
Mosquito	3/27	34	9.3	4.4	- -
Trout Cr. Pass	3/25	21	3.9	2.6	- -
ARKANSAS BASIN					
Arkansas River					
Bigelow Divide	3/28	46	11.2	3.6	- -
Cooper Hill (B)	3/25	46	13.8	7.9	- -
East Fork *	3/28	33	9.3	8.8	10.7
Four Mile Park	3/28	22	5.0	0.6	4.9
Fremont Pass	3/28	53	16.5	16.0	17.7
Garfield	3/29	38	12.5	10.3	- -
Monarch Pass	3/29	44	15.0	11.9	19.6
Tennessee Pass	3/28	37	9.4	10.1	10.9
Twin Lakes Tunnel	3/29	32	8.9	8.5	11.6
Westcliffe *	3/28	40	12.3	3.7	5.2

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT (INCHES) LAST YEAR	AVG 48-62
Cucharas River					
Blue Lakes	NS	--	- -	NS	- -
Cucharas Pass	3/27	38	11.8	1.8	- -
LaVeta Pass (B)	3/27	34	10.2	1.9	8.3
Purgatoire River					
Burbon	3/28	37	11.1	3.2	7.8
RIO GRANDE BASIN-Colo					
Alamosa River					
Silver Lakes	3/29	26	6.5	2.9	6.3
Summitville	3/27	55	17.9	15.4	20.6
Conejos River					
Cumbers	3/27	53	18.2	22.5	19.0
Platoro *	EST.	50	18.0	14.5	18.8
River Springs	3/29	18	5.3	2.6	6.7
Culebra River					
Brown Cabin	3/30	17	3.8	0.0	- -
Cottonwood (B)	3/30	15	3.5	0.0	- -
Culebra	3/28	32	9.1	3.9	10.0
LaVeta Pass (B)	3/27	34	10.2	1.9	8.3
Trinchera (B)	NS	--	- -	4.4	- -
Rio Grande					
Cochetopa Pass *	3/26	25	7.5	0.0	5.5
Grayback	NS	--	- -	15.8	- -
Hiway *	3/28	67	24.9	22.3	26.0
Lake Humphreys *	3/26	34	9.5	1.5	5.7
Love Lake	3/25	41	10.7	5.0	- -
Pass Creek *	3/28	41	13.2	5.7	11.0
Pool Table	3/26	31	7.2	2.6	6.5
Porcupine *	3/25	38	11.0	7.9	11.4
Santa Maria	3/29	21	6.0	0.7	4.7
Upper Rio Grande	3/26	35	11.3	1.8	8.0
Wolf Cr. Pass	3/28	67	26.3	24.8	30.6
Wolf Cr. Summit	3/28	76	28.3	26.8	30.0
RIO GRANDE BASIN-N.M.					
Pecos River					
Panchuela	3/28	15	5.0	0.0	1.6
Rio Chama					
Bateman *	3/26	42	12.4	8.7	11.6
Capulin Peak	3/29	14	4.4	0.0	- -
Chama Divide	3/28	0	0.0	0.0	1.9
Chamita	3/28	24	6.9	1.8	9.0
Rio Grande					
Aspen Grove	3/29	20	4.9	0.5	3.2
Big Tesuque	3/26	21	7.3	0.0	4.3
Bluebird Mesa	3/28	24	7.8	0.0	- -
Cordova	NS	--	- -	6.8	10.8
Elk Cabin	3/29	13	3.5	0.0	1.8
Fenton Hill *	4/1	17	5.4	0.0	2.9
Mora View	3/27	14	4.7	0.0	- -
Pajarito Peak	3/28	3	0.8	0.0	- -
Payrole	4/1	27	7.4	2.6	8.3
Quemazon *	3/28	36	11.0	2.0	7.9
Rio En Medio *	3/26	31	8.5	3.7	5.9
Sandavol	3/28	25	8.0	0.0	- -
Taos Canyon	3/28	19	6.4	0.2	4.3
Tres Ritos	3/27	24	7.9	0.0	4.5
Rio Hondo					
Twinning	3/28	29	9.9	5.0	- -
Red River					
Hematite Park	3/27	22	6.6	0.0	4.1
Red River	3/27	28	9.2	1.4	6.3

[illegible] * - [illegible] (ADJ[illegible]TED AVERA[illegible]ES)
NS - N[illegible] SURVEY
(A) - AIR [illegible]
(B) - ON ADJACENT DRAINAGE

APPENDIX I

SNOW COURSE MEASUREMENTS as of April 1, 1968

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	CURRENT INFORMATION: SNOW DEPTH INCHES	CURRENT INFORMATION: WATER CONTENT INCHES	PAST RECORD: WATER CONTENT INCHES: LAST YEAR	PAST RECORD: WATER CONTENT INCHES: AVG 48-62
SAN JUAN-DOLORES BASIN					
Animas River					
Cascade	3/27	38	14.0	3.8	12.9
Lemon	3/27	33	11.5	- -	- -
Mineral Creek *	3/28	55	19.0	12.5	15.7
Molas Lake *	3/28	42	14.3	10.8	14.3
Red Mountain *	3/28	87	34.6	21.8	33.3
Purgatoire	3/27	59	22.4	15.3	- -
Silverton Sub-Sta.	3/28	30	10.3	0.0	6.0
Spud Mountain *	3/23	67	27.2	18.1	26.0
Dolores River					
Lizzard Head	3/29	53	19.0	13.2	18.3
Lone Cone	3/29	45	15.4	10.5	- -
Rico	3/29	22	8.7	0.2	7.6
Telluride	3/28	25	8.4	1.6	6.7
Trout Lake *	3/28	48	16.2	11.4	13.6
San Juan River					
Chama Divide (B)	3/28	0	0.0	0.0	1.9
Chamita (B)	3/28	24	6.9	1.8	9.0
Upper San Juan	3/28	77	30.6	25.8	34.4
Wolf Cr. Pass (B)	3/28	67	26.3	24.8	30.6
Wolf Creek Summit	3/28	76	28.3	26.8	30.0
GUNNISON BASIN					
Gunnison River					
Alexander Lake	3/28	62	23.6	23.2	23.8
Black Mesa	NS	--	- -	NS	- -
Blue Mesa *	3/29	27	7.3	1.2	9.8
Butte	3/26	46	14.9	14.9	- -
Cochetopa Pass*(B)	3/26	25	7.5	0.0	5.5
Crested Butte	3/27	40	13.8	12.0	15.0
Keystone	3/27	53	19.2	20.5	- -
Lake City	3/31	30	9.6	3.5	8.6
Long Draw	NS	--	- -	NS	- -
Mesa Lakes (B)	3/27	49	16.7	16.6	18.5
McClure Pass *	3/27	46	16.2	13.9	16.4
Park Cone	3/27	33	9.2	11.0	12.5
Park Reservoir	3/28	66	23.5	24.4	27.1
Porphyry Creek	3/29	46	15.5	12.0	18.0
Tomichi	3/29	34	11.7	7.6	- -
Surface Creek					
Alexander Lake	3/28	62	23.6	23.2	23.8
Mesa Lakes (B)	3/27	49	16.7	16.6	18.5
Park Reservoir	3/28	66	23.5	24.4	27.1
Uncompahgre River					
Ironton Park	3/29	44	15.9	6.7	13.4
Red Mountain Pass*	3/28	87	34.6	21.8	33.3
Telluride (B)	3/28	25	8.4	1.6	6.7
COLORADO BASIN (Main)					
Blue River					
Blue River *	3/26	33	8.7	4.1	9.7
Fremont Pass	3/28	53	16.5	16.0	17.7
Frisco *	3/28	26	7.3	6.2	8.7
Grizzley Peak	3/28	56	17.7	16.9	19.2
Hoosier Pass (B)	3/27	43	12.3	10.8	14.2
Shrine Pass	3/28	49	16.8	17.1	18.7
Snake River *	3/28	28	8.6	4.9	9.2
Summit Ranch *	3/27	25	7.0	4.4	8.8

SNOW COURSE	CURRENT INFORMATION: DATE OF SURVEY	CURRENT INFORMATION: SNOW DEPTH INCHES	CURRENT INFORMATION: WATER CONTENT INCHES	PAST RECORD: WATER CONTENT INCHES: LAST YEAR	PAST RECORD: WATER CONTENT INCHES: AVG 48-62
Colorado River					
Arrow	3/28	39	12.0	12.4	12.5
Berthoud Pass	3/27	51	16.1	14.3	15.7
Berthoud Summit *	3/29	59	18.2	17.7	20.4
Cooper Hill	3/25	46	13.8	7.9	- -
Fiddler Gulch	3/27	50	14.4	11.6	17.9
Glen Mar Ranch	3/26	29	8.1	6.9	8.7
Gore Pass *	3/27	34	9.8	8.6	10.9
Grand Lake *	3/28	33	8.7	9.1	9.0
Lake Irene	3/27	62	20.3	18.9	23.7
Lapland	3/29	31	9.4	9.3	12.0
Lulu	3/29	55	17.8	18.5	18.2
Lynx Pass	3/27	46	13.7	12.3	13.0
Middle Fork	3/26	35	9.5	7.1	9.8
Milner *	3/27	42	12.0	13.7	12.4
North Inlet	3/28	32	9.3	9.7	10.0
Pando *	3/28	31	8.8	9.3	11.6
Phantom Valley	3/27	39	11.1	12.4	11.5
Ranch Creek *	3/28	33	9.8	8.0	9.8
Tennessee Pass	3/28	37	9.4	10.1	10.9
Vail Pass *	3/28	42	17.0	14.9	19.2
Vasquez	3/27	43	12.1	12.5	13.4
Roaring Fork River					
Aspen	3/29	48	13.1	18.8	- -
Chapman	3/28	44	12.4	13.0	- -
Independence Pass	3/29	47	15.7	15.3	18.7
Ivanhoe	3/29	55	17.6	19.2	18.3
Kiln	3/28	38	9.8	9.8	- -
Last Chance	3/29	33	9.2	11.1	- -
Lift *	3/29	47	14.3	19.3	18.8
McClure Pass *	3/27	46	16.2	13.9	16.4
Nast	3/28	24	6.2	2.8	6.3
North Lost Trail	3/27	44	15.1	12.5	15.7
Williams Fork River					
Glen Mar Ranch	3/26	29	8.1	6.9	8.7
Jones Pass *	3/28	53	16.0	14.6	15.3
Middle Fork	3/26	35	9.5	7.1	9.8
Willow Creek					
Granby *	3/26	25	6.5	7.4	7.9
Willow Creek Pass	3/28	39	12.1	15.3	14.3
Plateau Creek					
Mesa Lakes	3/27	49	16.7	16.6	18.5
Park Reservoir	3/28	66	23.5	24.4	27.1
Trickle Divide	3/28	73	26.9	24.1	28.7
YAMPA BASIN					
Elk River					
Clark	3/29	35	11.8	11.1	- -
Elk River	3/29	52	18.9	16.4	18.4
Hahn's Peak	3/29	44	15.3	13.4	- -
White River					
Burro Mountain	3/28	55	19.6	13.8	19.3
Rio Blanco	3/27	49	15.6	10.4	17.3
Yampa River					
Bear River	3/28	39	11.6	9.8	11.5
Columbine Lodge(B)	3/27	62	21.7	22.5	25.5
Dry Lake	3/29	57	20.9	18.3	21.7
Lynx Pass (B)	3/27	46	13.7	12.3	13.0
Rabbit Ears	3/27	72	25.3	21.0	31.0
Yampa View *	3/27	44	15.4	10.5	15.9

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of April 1, 1968

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
NORTH PLATTE BASIN					
North Platte River					
Muddy Pass	3/28	11.1	6.2	6.2	6.4
Willow Pass	3/28	9.5	4.5	6.0	6.5
SOUTH PLATTE BASIN					
Boulder Creek					
Alpine Camp	3/26	6.9	4.4	3.1	3.4
Big Thompson River					
Beaver Dam	3/29	7.3	4.3	3.1	3.3
Guard Station	3/30	6.9	4.8	5.2	3.4
Two Mile	3/29	9.1	4.6	3.9	5.0
Clear Creek					
Clear Creek	3/29	9.5	5.2	5.1	5.0
Hoop Creek	3/28	4.9	3.3	3.0	2.5
Cache La Poudre River					
Feather	3/25	10.1	4.2	3.7	4.1
Laramie Road	3/31	12.4	7.2	6.4	6.7
South Platte River					
Hoosier Pass	3/27	7.8	4.8	4.4	4.2
Kenosha Pass	3/26	4.4	2.1	2.7	2.0
ARKANSAS BASIN					
Arkansas River					
Garfield	3/29	6.7	5.6	4.4	3.2
Leadville	3/28	7.8	5.6	3.7	3.5
Twin Lakes Tunnel	3/28	4.5	3.2	3.0	2.4
RIO GRANDE BASIN - COLORADO					
Conejos River					
Mogote	3/29	10.7	5.6	7.4	5.9
Rio Grande					
Alberta Park	3/27	8.2	5.8	5.7	4.5
Bristol View	3/25	6.1	2.4	2.8	3.6
LaVeta Pass	3/28	11.9	9.8	11.9	8.3
RIO GRANDE BASIN - NEW MEXICO					
Rio Chama					
Bateman	3/26	6.7	4.3	4.5	2.6
Chamita	3/28	8.0	5.8	8.0	3.7
Rio Grande					
Aqua Piedra	3/28	7.2	4.0	5.1	3.7
Big Tesuque	3/26	3.7	2.4	3.3	1.7
Fenton Hill	4/1	6.5	4.5	NS	4.5
Rio En Medio	3/26	3.5	1.5	1.0	1.1
Taos Canyon	3/28	3.3	2.3	2.5	2.3
Red River					
Red Summit	3/28	4.8	1.5	1.5	2.1
ANIMAS-SAN JUAN BASINS					
Animas River					
Cascade	3/27	9.1	5.7	8.9	6.8
Mineral Creek	3/28	5.7	2.9	4.1	3.5
Molas Lake	3/28	9.4	5.7	5.8	4.1
Dolores River					
Dolores	3/29	19.6	13.5	13.5	6.9
Lizzard Head	3/29	11.8	7.7	7.7	6.9
Rico	3/29	13.8	12.6	13.7	7.6

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ALL PROFILES 4 FEET DEEP

APPENDIX II

SOIL MOISTURE MEASUREMENTS as of April 1, 1968

STATION	DATE OF SURVEY	CAPACITY (INCHES)	THIS YEAR	LAST YEAR	AVG. ALL DATA
GUNNISON BASIN					
Gunnison River					
King	3/29	3.3	2.8	2.5	1.7
COLORADO BASIN (MAINSTEM)					
Blue River					
Blue River	3/26	4.2	2.5	2.4	2.4
Colorado River					
Berthoud Pass	3/27	3.9	2.5	2.7	2.5
Gore	3/25	4.9	2.5	2.3	2.6
Grand Mesa	NS	12.5	NS	7.8	- -
Ranch Creek	3/28	8.7	5.7	5.2	5.2
Vail	3/28	12.3	6.8	6.0	8.4
Vasquez Siphon	Out-of-order	11.0		5.8	7.3
Roaring Fork River					
Placita	3/30	9.3	7.5	8.6	6.3
YAMPA BASIN					
Yampa River					
Hahn's Peak	3/29	19.0	7.8	6.8	13.5

ALL PROFILES 4 FEET DEEP

LIST of COOPERATORS

The following organizations cooperate in snow surveys for the Colorado, Platte, Arkansas and Rio Grande watersheds. Many other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

STATE

Colorado State Engineer
New Mexico State Engineer
Nebraska State Engineer
Colorado Experiment Station
Rocky Mountain Forest and Range Experiment Station

FEDERAL

Department of Agriculture

- Forest Service
- Soil Conservation Service

Department of Interior

- Bureau of Reclamation
- Geological Survey
- National Park Service
- Indian Service

Department of Commerce

- Weather Bureau

War Department

- Army Engineer Corps

Atomic Energy Commission

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Colorado Public Service Company
Public Service Company of New Mexico

MUNICIPALITIES

City of Denver
City of Boulder
City of Greeley
City of Fort Collins

WATER USERS ORGANIZATIONS

Arkansas Valley Ditch Association
Colorado River Water Conservation District

IRRIGATION PROJECTS

Farmers Reservoir and Irrigation Company
San Luis Valley Irrigation District
Santa Maria Reservoir Company
Costilla Land Company
Uncompahgre Valley Water Users' Association
Twin Lakes Reservoir and Canal Company
Trinchera Irrigation Co.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
SNOW SURVEY UNIT
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